

PRODUCT FOR COATING WELLBORE SCREENS

CROSS-REFERENCE TO RELATED APPLICATIONS

This is a divisional application of U.S. Patent Application Serial Number 09/627,145 entitled "Product and Process for Coating Wellbore Screens" that 5 was filed on July 27, 2000, now patent no. 6,394,185

BACKGROUND OF THE INVENTION

1. Field of the Invention

10 The present invention relates to compositions for preventing flow capacity damage to wellbore screens and slotted liners. More specifically, the present invention relates to a coating that is applied to wellbore screens or slotted liners prior to insertion of the screens or slotted liners into the wellbore. The coating is comprised of reactive materials mixed with a binder. The coating protects the 15 screens and slotted liners during insertion into the wellbore.

Also, after the screens and slotted liners have been placed in the well, the coating dissolves or melts off of the screens or slotted liners and the reactive materials within the coating react with the wellbore fluids and remaining drill-in fluid filtercake to degrade them, thus preventing the screens and slotted liners 20 from becoming plugged with the fluids and filtercake and thereby allowing the well to achieve optimum production. The term "drill-in" is used herein to define the fluid used to drill into the producing interval of the well and may differ from the composition of the drilling fluid used in creating the rest of the wellbore.